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↑ ABSTRACT

Next generation consumer devices will all have an Internet connection. Thus, one vision is that the future multimedia services will be browser based. Extensible Markup Language (XML) is the most likely markup language. In this paper, we introduce a Java based XML browser called X-Smiles. It is intended for consumer devices and supports multimedia services. The main advantage of the X-Smiles browser is that it supports most of the XML related specifications. Different XML based languages can be mixed freely in applications. In addition, the X-Smiles has special user interfaces for different kinds of devices (e.g., digital television, personal digital assistants, and mobile phones). These user interfaces can be used as so called virtual prototypes of the real devices. The X-Smiles browser is available as open source at <http://www.x-smiles.org>.

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